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KTC BE3-Q

KTC Quick Spinner BE3-Q Instruction Manual

Model: BE3-Q

1. Introduction

The KTC Quick Spinner BE3-Q is a specialized hand tool designed to enhance the efficiency of socket wrench operations. When combined with a ratchet handle or extension bar, it allows for rapid turning of sockets, significantly reducing the time and effort required for fastening and unfastening tasks, particularly in situations with light loads or when initially engaging threads.

This manual provides essential information for the safe and effective use, setup, operation, and maintenance of your KTC Quick Spinner BE3-Q.

2. Product Overview

The KTC Quick Spinner BE3-Q is a compact and lightweight tool featuring a durable resin grip and a special tool steel drive. Its design prioritizes ease of use and clear indication of rotation.

2.1 Key Features

- **Efficient Operation:** Designed to quickly turn sockets when paired with a ratchet handle or extension bar.
- **Angle Display Grip:** The grip features grooves every 90 degrees and angle markings every 30 degrees, allowing for easy visual confirmation of the rotation angle.
- **Lightweight Design:** Constructed with a resin grip for reduced weight and improved handling.
- **Drive Size:** 3/8 inch (9.5 mm) square drive.
- **Material:** Special tool steel drive with a resin grip.

2.2 Components

The KTC Quick Spinner BE3-Q consists of the following main components:

- **Main Body:** The central mechanism for rotation.
- **Resin Grip:** The red, circular part with angle markings for manual rotation.
- **Square Drive:** The 3/8 inch (9.5 mm) square male drive for connecting to sockets, and the female drive for connecting to a ratchet or extension bar.



Figure 1: Front view of the KTC Quick Spinner BE3-Q, showing the red resin grip with angle markings and the 3/8 inch square drive.

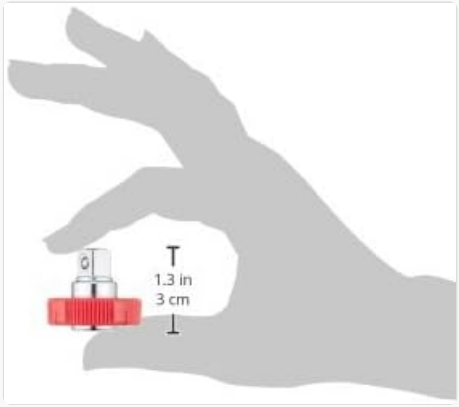


Figure 2: The KTC Quick Spinner BE3-Q held in a hand, illustrating its compact size and ergonomic design. The image shows the tool's length of approximately 1.3 inches (3 cm).

3. Setup

The KTC Quick Spinner BE3-Q is designed for quick integration into your existing 3/8 inch drive socket wrench system.

1. **Select Compatible Tools:** Ensure you have a 3/8 inch drive ratchet handle or extension bar and the appropriate 3/8 inch drive socket for your task.
2. **Connect to Ratchet/Extension:** Insert the male square drive of your ratchet handle or extension bar firmly into the female square drive opening of the KTC Quick Spinner BE3-Q. Ensure it is fully seated.
3. **Attach Socket:** Attach the desired 3/8 inch drive socket to the male square drive of the KTC Quick Spinner BE3-Q. Ensure the socket is securely attached.
4. **Verify Connection:** Before use, gently pull on the assembled tools to confirm all connections are secure and there is no excessive play.



Figure 3: Technical diagram of the KTC Quick Spinner BE3-Q, showing its dimensions (D=36mm, d=17mm, L=31mm, l=10mm) and an illustration of how it connects to a socket and a drive tool. The diagram also highlights the 9.5mm (3/8 inch) square drive.

4. Operating Instructions

The KTC Quick Spinner BE3-Q is designed for rapid, low-torque rotation of fasteners.

1. **Initial Engagement:** Once the socket is placed on the fastener, use the red resin grip of the Quick Spinner to manually rotate the socket. This is particularly useful for quickly threading fasteners in or out when minimal torque is required.
2. **Monitoring Rotation:** The grip features angle markings every 30 degrees and grooves every 90 degrees. Use these visual cues to monitor the rotation angle and ensure precise adjustments if needed.
3. **Applying Torque:** For final tightening or initial loosening requiring higher torque, use the attached ratchet handle. The Quick Spinner will remain in place, allowing the ratchet to function normally.
4. **Disengagement:** After use, remove the socket from the fastener, then detach the Quick Spinner from the ratchet/extension bar.

5. Maintenance

Proper maintenance ensures the longevity and reliable performance of your KTC Quick Spinner BE3-Q.

- **Cleaning:** After each use, wipe the tool clean with a dry cloth to remove dirt, grease, or debris. For stubborn grime, a mild solvent or degreaser can be used, followed by thorough drying.
- **Inspection:** Regularly inspect the square drives for signs of wear, chipping, or deformation. Check the resin grip for cracks or damage.
- **Lubrication:** The internal mechanism is generally maintenance-free. However, if the square drive connection feels stiff, a small amount of light machine oil can be applied to the male drive of the connecting tool.

- **Storage:** Store the Quick Spinner in a clean, dry environment, away from excessive moisture and corrosive materials.

6. Troubleshooting and Safety Information

Adhering to safety guidelines and understanding potential issues will prevent damage to the tool and ensure user safety.

6.1 Safety Warnings

- **Intended Use:** Do not use this tool for purposes other than its intended function of quickly turning sockets.
- **Inspect Before Use:** Always inspect the tool for any abnormalities such as cracking, chipping, excessive wear, or deformation before each use. Discontinue use immediately if any damage is observed.
- **Proper Posture:** Avoid working in an excessive or awkward posture that could lead to injury or loss of control over the tool.
- **No Modifications:** Do not modify the tool in any way. Unauthorized modifications can compromise its integrity and safety.
- **Single Unit Use:** Do not connect two or more Quick Spinners together, or connect the Quick Spinner to other tools in a manner that creates an excessively long or unstable assembly. This can lead to breakage or injury.
- **Full Insertion:** Ensure that the square drive of the connecting tool (ratchet or extension) is fully inserted into the Quick Spinner's drive opening to prevent slippage and damage.

6.2 Troubleshooting

If you encounter issues, refer to the safety warnings. Most problems can be avoided by proper inspection and adherence to usage guidelines.

- **Tool feels loose or wobbly:** Ensure all connections (Quick Spinner to ratchet/extension, socket to Quick Spinner) are fully and securely seated. Inspect for wear on the square drives.
- **Difficulty rotating:** Ensure the fastener is not excessively tight. The Quick Spinner is for rapid, low-torque rotation. Use a ratchet for higher torque applications.

7. Specifications

Attribute	Detail
Model Number	BE3-Q
Brand	KTC (KYOTO TOOL)
Drive Size	3/8 inch (9.5 mm)
Total Length (L)	31 mm (1.3 inches)
Diameter (D)	36 mm
Inner Diameter (d)	17 mm
Square Drive Length (l)	10 mm
Weight	40 g
Material	Special Tool Steel (drive), Resin (grip)
Finish	Polished

Attribute	Detail
Country of Origin	Japan

8. Warranty and Support

For warranty information, product support, or service inquiries, please contact your authorized KTC dealer or the point of purchase. Retain your proof of purchase for any warranty claims.

KTC is committed to providing high-quality tools. If you have any questions regarding the use or care of your Quick Spinner BE3-Q, please refer to the official KTC website or contact their customer service department.

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